Table of Contents: Volume 5 (1990)

Number 1

A Novel Algorithm for Color Constancy ..... *D.A. Forsyth* 5
Height and Gradient from Shading ..... *Berthold K.P. Horn* 37
Computation of Component Image Velocity from Local Phase Information ..... *David J. Fleet and Allan D. Jepson* 77
Integrability Disambiguates Surface Recovery in Two-Image Photometric Stereo ..... *Ruth Onn and Alfred Bruckstein* 105

Number 2

Computing Exact Aspect Graphs of Curved Objects: Solids of Revolution ..... *David J. Kriegman and Jean Ponce* 119
Visibility, Occlusion, and the Aspect Graph ..... *Harry Plantinga and Charles R. Dyer* 137
Invariant Surface Segmentation through Energy Minimization with Discontinuities ..... *Stan Z. Li* 161
Recognizing Solid Objects by Alignment with an Image ..... *Daniel P. Huttenlocher and Shimon Ullman* 195

Number 3

Potentials, Valleys, and Dynamic Global Coverings ..... *Chantal David and Steven W. Zucker* 219
The Feasibility of Motion and Structure From Noisy Time-Varying Image Velocity Information ..... *John L. Barron, Allan D. Jepson and John K. Tsotsos* 239
Bayesian Modeling of Uncertainty in Low-Level Vision ..... *Richard Szeliski* 271
Reading Cursive Handwriting by Alignment of Letter Prototypes ..... *Shimon Edelman, Shimon Ullman and Tamar Flash* 303